

# Work Order ID 68562

Monday, April 18, 2011 6:57:32 AM

Page 1

Item ID: D4176-1

Revision ID:

Item Name: 429 Clamp, Top

Start Date: 4/18/2011 Start Qty: 4.00

Required Date: 4/19/2011 Req'd Qty: 4.00

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D4176

A

100

0.00



Waterjet

FLOW CNC Waterjet

Memo

0.00

1-Cut as per Dwg

Dwg Rev: 1

Prog Rev: A

2-Deburr if necessary

B11-4-18

(6)

110

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Quality Control

Memo

0.00

B11-4-18

**Work Order ID 68562**

Monday, April 18, 2011 6:57:32 AM



Page 2

Item ID: D4176-1

Accept



Setup Start



Revision ID:

Stop



Item Name: 429 Clamp, Top

Start Date: 4/18/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 4/19/2011 Req'd Qty: 4.00



Customer:

Reference:

Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

120



QC

Quality Control

QC8- Inspect parts - second check

0.00

0.00

Memo

Sulayis



130



Brake NC

Brake NC

Form as per dwg

0.00

0.00

Memo

SB illoel



140



QC

Quality Control

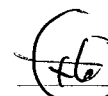
QC5- Inspect part completeness to step on W/O

0.00

0.00

Memo

Sulayis



**Work Order ID 68562**

Monday, April 18, 2011 6:57:32 AM



Page 3

Item ID: D4176-1

Accept



Setup Start



Revision ID:

Stop



Item Name: 429 Clamp, Top

Start Date: 4/18/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 4/19/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

150



Packaging

Identify as per dwg & Stock Location: 453

0.00

Memo

0.00

Packaging

11/4/18 SP

160



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

11/4/19 SPMF11-04-18

# Picklist Print

Monday, April 18, 2011 6:57:29 AM

Page 1

Work Order ID: 68562



Parent Item: D4176-1



Parent Item Name: 429 Clamp, Top



Start Date: 4/18/2011

Required Date: 4/19/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:A 10.09.29 new issue DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S14GA 		Purchased	No			100	sf	29.5000	0.0403	0.169684	4		
304SS sheet .080											BIT-4-18		

Location

Loc Qty

Loc Code

MAT020

29.5

113295

29.5

113295

6

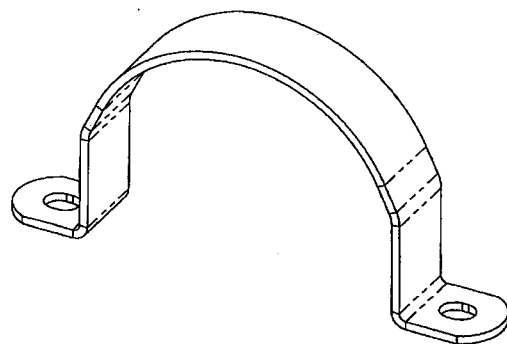
68562

## Page 1 of 1

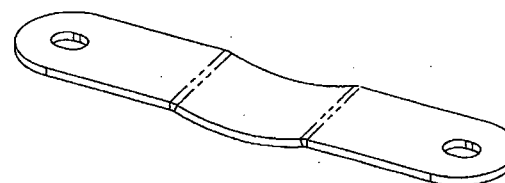
[illegible]

8

by *FA*



**D4176-1 429 CLAMP, TOP**



**D4176-3 429 CLAMP, BOTTOM**

*W6 68562*

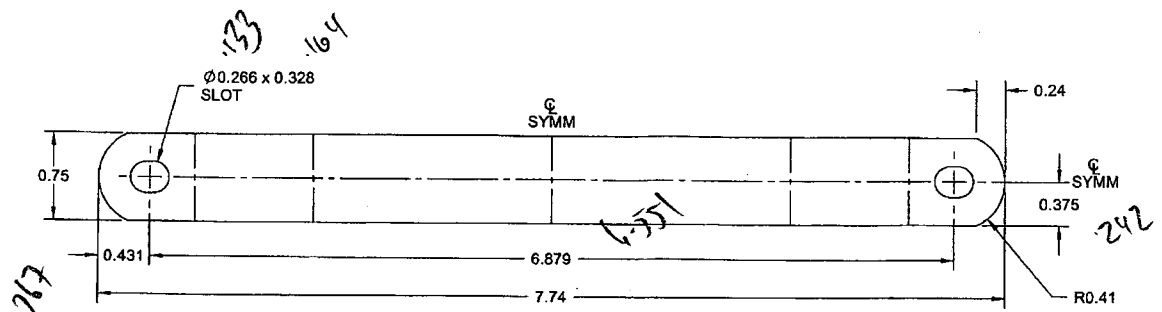
**RELEASED**  
2010-10-07  
*MB*

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, 14 GAUGE (0.078 THICK)  
PER AMS 5513 (304) OR 5524 (316) OR ASTM A240 OR ASME SA240  
REF. DART SPEC. M304S14GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4176-X" PER QSI 044 6.1
- 7) WEIGHT:
  - D4176-1 = 0.12 lbs
  - D4176-3 = 0.08 lbs

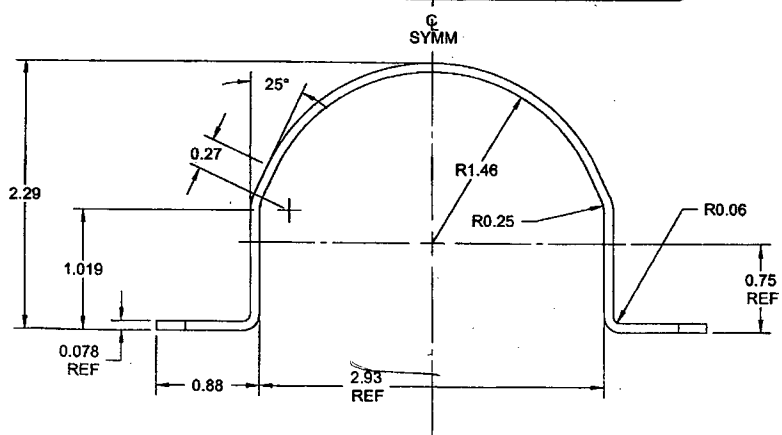
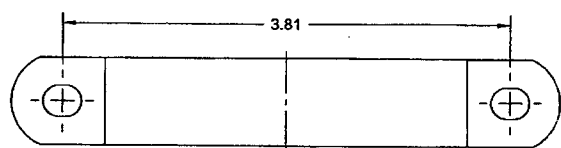
A		NEW ISSUE		MB	10.09.27
REV.		DESCRIPTION		BY	DATE
DESIGN		<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA			
DRAWN					
CHECKED		DRAWING NO.		REV. A	
MFG. APPR.	<i>[Signature]</i>	D4176			SHEET 1 OF 3
APPROVED	<i>[Signature]</i>	TITLE		SCALE	
DE APPR.	<i>[Signature]</i>	429 CLAMP		NTS	
DATE	10.09.27	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

8 7 6 5 4 3 2 1



**D4176-1F 429 TOP CLAMP FLAT PATTERN**

3.36  
- 328  
3.482



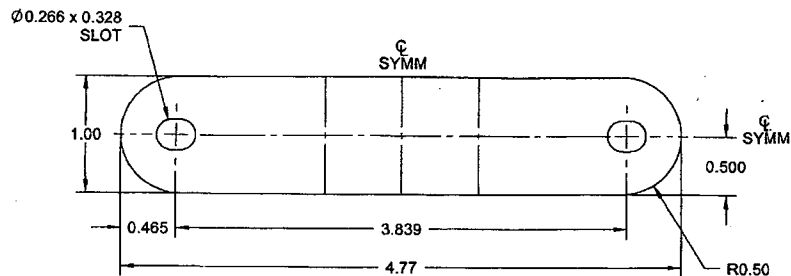
**D4176-1 429 CLAMP, TOP**  
(MAKE FROM D4176-1F)

68562

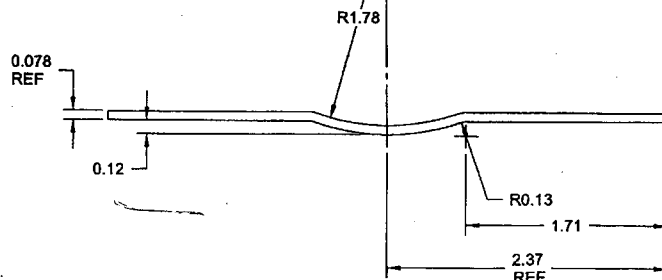
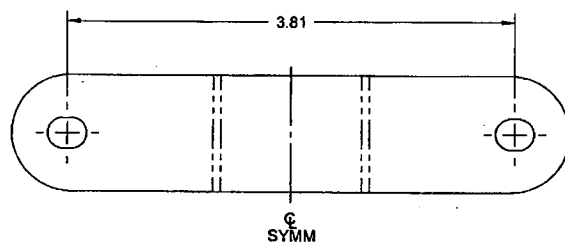
**RELEASED**  
2010-10-03  
JMP

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		<b>D4176</b>	SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.		<b>429 CLAMP</b>	NTS
DATE	<b>10.09.27</b>	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

8 7 6 5 4 3 2 1



**D4176-3F 429 BOTTOM CLAMP FLAT PATTERN**



**D4176-3 429 CLAMP, BOTTOM**  
(MAKE FROM D4176-3F)

68562

**RELEASED**  
2010-10-03  
AMP

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4176	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		429 CLAMP	NTS
DATE	10.09.27	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



## Receiving Report

Date: 9/14/27  
 Supplier: MAGNA

Batch No: M113295  
 Dart P/O: 10809

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection ☒ N/A ☐  
 Work Order 0216130 N/A ☒

### Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12   

Production/Admin: 9/14/30  
 Date     
 Received/Costing     
 Initial   

Location

## Purchase Order Receipt Listing

November 30, 2009 7:51:48 AM

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO10809 Receipt Dates from 11/30/2009 to 11/30/2009 All Line Item Types

All Item ID/GL/WOs    All Rec. Employees    All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-MAG002 Magna Stainless									
PO10809	1		M304S14GA	sf	11/24/2009	11/30/2009	160.0000	\$7.50	0.0000	0	\$1,200.00
CAD	No		304SS sheet .080	sf	160.0000	Stores		\$1,200.00	0.0000	0	
			113295								
	2		M304S16GA	sf	11/24/2009	11/30/2009	320.0000	\$5.31	0.0000	0	\$1,700.00
	No		304/316 Sheet .063	sf	320.0000	Stores		\$1,700.00	0.0000	0	
			113295								
	3		M304R1.750	f	11/24/2009	11/30/2009	12.1000	\$20.58	0.0000	0	\$249.05
	No		304 ROUND BAR 1.750	f	12.0000	Stores		\$249.05	0.0000	0	
			113295								
	4		M303R0.750	f	11/24/2009	11/30/2009	12.1000	\$3.83	0.0000	0	\$46.38
	No		303 Round Bar 0.750	f	12.0000	Stores		\$46.38	0.0000	0	
			113295								
Total Received Quantity:										504.2000	
Total Qty to Inspect (PO U/M):										0.0000	
Total Reject Quantity:										0.0000	
Total Receipt Value:										\$3,195.44	
Total Balance Due Quantity:										0.0000	

# MAGNA

## Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105



## PACKING LIST

Page 1 of 1 I020078

SOLD TO  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

SHIP TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

HAWKESBURY, ON

HAWKESBURY, ON

K6A 1K7

K6A 1K7

Contact: CHANTAL

Ship Terms: PREPAID

MTR:Y

SPECIAL INSTRUCTIONS

Currency		Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS		ERYCK BLAIS	(613) 632-5200	(613) 632-1053	P010809	
Sales Order	Terms	Ship Via		Date Ordered	Date Required	Date Shipped
W021806	NET 30 DAYS	NIR:R-557065-1		11/20/09	11/27/09	11/27/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
1		PC	STAINLESS ROUNDS SRB 304 1-3/4" x R/L			1
1		PC	12'10" 100 LB / 1 PC SRB 303 3/4" x R/L	L029520	79354	1
			12'1" 20 LB / 1 PC	L031096	423312	1
5		PC	STAINLESS SHEET SSH 304 2B 14ga x 48" x 96"			5
			525 LB / 5 PC	C030389	829393	5
10		PC	MUST USE HT # 829393 SSH 304 2B 16ga x 48" x 96"			10
			840 LB / 10 PC	A030388	829394	10
Bundles: 1 Skids: 1				Approx Weight:	1,485 LB	

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Signature: \_\_\_\_\_

**VIRAJ PROFILES LIMITED**

10 IMPERIAL CHAMBERS, FIRST FLOOR,  
WILSON ROAD BALLARD ESTATE  
MUMBAI 400 038 INDIA

**CUSTOMER :**

MAGNA STAINLESS INC (DIV OF CANADIAN  
SPECIALTY METALS INC.)  
5775 RUE KIERAN ST LAURENT  
QUEBEC H4S 0A3

**INSPECTION CERTIFICATE****ORDER NO.**

P003627

**PACKING LIST NO.**

IMP/102069

**INSPECTION NO.**

IMP/102069/B

**DATE**

19/05/2009

**BUNDLE NO.**

2051172

**GRADE**  
T-304/304L**DESCRIPTION :**

STAINLESS STEEL ROUND BARS L/C NO.: 1700448 DT: 16/06/2009

Salulzo 9.11.30

**PEELED & POLISHED**

SIZE (IN)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
1 3/4	ROUND	ASTM A484	12' R/L	13	1369

**CHEMICAL ANALYSIS**

HEAT NO.

79354

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N	Co
0.022	1.44	0.42	0.024	0.036	8.05	18.10	0.50	0.48	0.081	0.12

**TEST RESULT**

2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
44	82	56	70	185	6

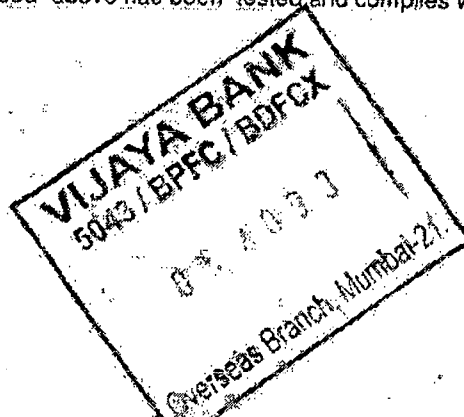
**Specification :**

MATERIAL CONFORMS TO ASTM A 276-08, COND.A, A 479/479M-08a, COND.A, A 193/193M-08a & A320/320M-05a B8 CL1, A484-06a, A 182/182M-08 COND.A, ASME SA 479-98, COND.A, SA 182-98 B8 CL1, SA 320-98 B8 CL1, SA-182-98 (CHEMISTRY ONLY), NACE MR0175-2002, AMS QQ-S-763 B-06, COND.A, (EXCEPT MARKING), AMS 5839G/5847H (EXCEPT MARKING), INTERGRANULAR CORROSION TEST AS PER ASTM A 262-02a PRACTICE E, GRAIN SIZE AS PER ASTM E112-96a1, IMPROVED MACHINABILITY QUALITY, UNS-S-30400/S-30403 CERTIFICATE AS PER EN 10204-3.1.

**Remarks :**

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO FREE FROM CONTINUOUS MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME THROUGH, WATER QUENCHED, MELT SOURCE ADD, MELT & MANUFACTURED IN INDIA COUNTRY OF ORIGIN: INDIA. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

**WORKS INSPECTOR**

# Acciaierie Valbruna s.p.A.



**CERTIFICATO DI COLLAUDO**  
**ABNAHMEPRUEFZEUGNIS**  
**INSPECTION CERTIFICATE**  
**CERTIFICAT DE RECEPTION**  
**EN 10204 (2005) , 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Ciente / Basiste/Purchaser/Clien:  
**VALBRUNA CANADA LTD**  
**8724 HOLGATE CRESCENT**  
**L5T 5Z1-MILTON, ONT L5T 5Z1-CAN**

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Usine producer

Avviso di Spedizione: D-VI09017149  
Lieferungsfachung/Notice for D.L.

Ordine nr: 907002333 Slock - Canada  
Bestell/Vorbestellung/Commande

Certificato nr: MEST774991/2009/  
Prüfung/Test/Essai

Conferma ordine nr: E109004135  
Versand/Order/Ref. nr.

Marchio di Fabbrica:  
Zeichen des Werks/Marken  
Trade mark  
Style de fusine: producteur



Punzone del Collaudatore:  
Stempel des Werkssachverständigen  
Inspector's stamp/Plombon de l'essayeur



Oggetto Prove: - Annealed Cold Drawn  
Prüfungsbefreiung/Inspection/Insage

Tipo di Elaborazione: E+AOD  
Erschmelzungs- und Gießverfahren/Procédé de fabrication

Specifiche:  
Anforderungen / Requirements / Exigences  
**VAL CANADA 2 303 A,CF**  
**ASTM A314 2008 S30300**  
**DOD-F-24609 6 S30300**  
**(O) SEC. II PTA 2007 EDITION ADD. 2008a**

**AMS 5640 U TYPE1**  
**ASTM A320 2008 B8F**  
**MIL-S-862 B/1 303**

**ASME-SA329 2007 B8F (O)**  
**ASTM A582 2005 S30300**  
**QQ-S-764-6/2 303**

CP 05.11.30

Qualità: 303  
Werkstoff/Grade/Qualité

Marca: MV188ZHS MAXIVAL  
Markenbezeichnung/Brand/Numéro

Pos. nr. Pos. nr. N. de pièce	Oggetto Objet/Objet Product description Description du produit	Dimensioni Dimensions Dimension	Tolleranza Tolérance Tolerance	Dimensioni Dimensions Dimension	Colata Coulée Casting	Pezzi Pièces Pieces	Peso - LB Gewicht Weight Poids	Lotto nr. Lot n. Lot nr.
0010	Round	0,7500	484-06B	146 / 147	423312		4.744	834700760

Sono state soddisfatte tutte le condizioni richieste  
Die gestellten Anforderungen sind in. Auslage erfüllt  
The material has been furnished in accordance with the requirements  
Le matériel a été livré conformément aux exigences

Controllo antimescolanza: OK  
Vermischungsprüfung: geschieden/analytisch durchgeführt  
Auditing testing performed: OK  
Contrôle antimélange: satisfaisant

Controllo visivo e dimensionale: soddisfa le esigenze  
Blickprüfung und Ausmessung: ohne Beanstandung  
Visual inspection and dimensional checks: satisfactory  
Contrôle visuel et dimensionnel: satisfaisant

TEST ALLO STATO DI FORNITURA									
Test on delivery condition Prüfung auf Lieferbereitem Produkt test à l'état de livraison Prueba sobre el material así como entregado									
TEST	Prove/Prüfung Essai/Prüfung Test/Prüfung Essai/Prüfung	° F	Prove/Prüfung Essai/Prüfung Test/Prüfung Essai/Prüfung	Snervamento Zugversuch Tensile strength Rp 0,2% k.s.i.	Snervamento Zugversuch Tensile strength Rp 0,2% k.s.i.	Resistenza Zugversuch Tensile strength Rm k.s.i.	Allungamento Zugversuch Elongation E 4d %	Stirazione Zugversuch Reduction of area RA %	Resilienza Kerbschlagversuch Impact Value ft-lbf/inch
Valori richiesti Anforderungen/Requirements Valeurs demandées	min max			30	-	75	35	50	-
A	12,5	68	L	70		101	43	51	239

(H=lunghezza/Length, T=temperatura/Temp., O=temperatura/Temp.)

## Analisi chimica

Chemisches Zusammensetzung/Chemical Analysis/Analyse chimique

Colata/Heat Schmelze/Condit	min max 0,150	1,00	2,00	17,00 19,00	0,00	1,00	8,00 10,00	0,15	0,15 0,40	0,400	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %	-	-	-
423312	0,035	0,45	1,96	17,68	0,35	0,60	8,50	0,109	0,03	0,33	0,004	-	-	-

Produced without class I-II Ozone depleting substances.  
Solution heat treated free from continuous carbide network.  
Annealing temperature: 1940°F for 0,5h/water.  
Micro and macro etch test: OK  
Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination  
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.  
The Quality Management System is Certified acc. Pressure Equipment Directive (97/23/EC) Annex 1, 6, 4.3 by TÜV and LLOYD'S

Vicenza, 29/07/09  
vccm  
(Mod. MCEI)

Il collaudatore di stabilimento / der Werkssachverständiger / Works Inspector / L'agent d'usine  
M. Rizzoli

Pagina - 1 di 1

P606632-423312

PO05349 - 829393

NOTICE OF SHIPMENT/  
PACKING LIST



CERTIFICATE OF TEST

AL 6188-3 900

CUST. ORD. NO. & DATE 05349		CUST. CODE 106/05/09 574738		SHIPPER NO. VANDERGRIFF, PA. 427038		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-069-202		DATE SHIPPED 08/06/09	
FORAS DISTRIBUTION SOLD TO: 1 SHIP TO: SPEC:		REPEAT ORDER 94045-0		DO RATE 28		GOVT CONTRACT 7219.14.0000		MATERIAL 1121 VANDERGRIFF		SHIPPING LOCATION PA 668451	
SOLD TO MAGNA STAINLESS 5775 KIERAN ST. QUEBEC CANADA H4S 0A3 SAINT-LAURENT		PRIME SEC. DSO 20		DSO		COILEX 1450 GRAHAM BELL QUEBEC ZIP CODE: J4B 6H5 BOUCHERVILLE CN					

8/9/11/30

GRADE AND SPECIFICATIONS  
ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (ASTM-A-480-09) CARRIER - CUSTOMER TRUCK (ASTM-A-240-09A) (ASTM-A-370-09)

ITEM PCS DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEC	TAG #/ CD	SKID #
001 1 48.7.075/2021 C CUST IDENTITY 304B075X48 1 SKID	829393	07109N172	8763075	21130	50	21080		651551	
				21130	50	21080			

ORDER REMARKS: EXW - EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER

TYPE HEAT/TEST	--C---	--MN--	--P---	--S---	--SI--	--CR--	--NI--	--N---
HEAT 829393	.05	.97	.033	.0005	.44	18.2	8.1	.07

ITEM TEST NO	YIELD	TENSILE	% ELONG	GRAIN
001 8763075	PSI *	PSI	IN 2" % R/A	SIZE
			NR	NR
	T 48000.	92500.	55.	NR
	* Y.S. BY 0.2% OFFSET METHOD			

NR = DATA NOT REQUIRED  
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

PAGE 01 - CONTINUED ON PAGE 02

08/06/09 11:37:26

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Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-225-6577. CAUTION: Processing that makes fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-225-6577. Attention: les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgment.

Trey McFarland  
Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/  
PACKING LIST



CERTIFICATE OF TEST

AL 8188-3 808

CUST. ORD. NO. & DATE 05349		CUST. CODE 06/05/09 574738		ACCEPTING MILL VANDERGRIFF, PA.		SHIPPER NO. 427038		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-069-202		DATE SHIPPED 08/06/09	
FORMS DISTRIBUTION SOLD TO MAGNA STAINLESS 5775 KIERAN ST. QUEBEC CANADA H4S 0A3 SAINT-LAURENT		REPEAT ORDER 94045-0		DO RATE 28		PRI-ORITY 7219.14.0000		MATERIAL 1121 VANDERGRIFF		SHIPPING LOCATION PA		INVOICE 668451	
		PRIME SEC. DSO DSO 20		COILEX 1450 GRAHAM BELL QUEBEC ZIP CODE: J4B 6H5 BOUCHERVILLE CN									

GRADE AND SPECIFICATIONS

ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (ASTM-A-240-09A) (ASTM-A-370-09)

CARRIER - CUSTOMER TRUCK

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ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:

C,S BY COMBUSTION/INFRARED  
N,O,H BY INERT FUSION/THERMAL CONDUCTIVITY  
MN,P,SI,CR,NI,MO,CU,CB,CO,V BY WDXRF  
B BY OES  
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES  
PB,BI,AG BY GFAA

FOR ACCESS TO ONLINE CERTIFICATES OF TEST  
REGISTER AT WWW.ALCEXTRA.COM

PAGE 02 - FINAL PAGE.

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Tracy McFarland  
Director, Corporate Quality Assurance

P005349\_829394

NOTICE OF SHIPMENT/  
PACKING LIST



CERTIFICATE OF TEST

AL 6168-3 908

CUST. ORD. NO. & DATE 05349		CUST. CODE 06/05/09 574738		VANDERGRIFF, PA.		SHIPPER NO. 427038		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-069-187		DATE SHIPPED 08/06/09	
FORMS DISTRIBUTION SOLD TO MAGNA STAINLESS 5775 KIERAN ST. QUEBEC CANADA H4S 0A3 SAINT-LAURENT		REPEAT ORDER 94045-0		DO RATE 28		PRIORITY PRIME SEC.		SHIP TO COILEX 1450 GRAHAM BELL QUEBEC ZIP CODE: J4B 6H5 BOUCHERVILLE		MATERIAL 1121 VANDERGRIFF		INVOICE PA 668450	

GRADE AND SPECIFICATIONS  
ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (ASTM-A-480-09) (ASTM-A-240-09A) (ASTM-A-370-09)

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/	CD	SKID #
001	1	48./060/2149.	829394	07099N793	8763049	20670	50	20620		651358		
		C CUST IDENTIFY 304B060X48										
		1 SKID				20670	50	20620				

ORDER REMARKS: EXW - EXCEPT VAT AND OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER

TYPE HEAT/TEST	--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--N--
HEAT 829394	.06	.95	.034	.0003	.47	18.2	8.1	.06

ITEM TEST NO	YIELD	TENSILE	% ELONG	HARDNESS	BEND	GRAIN	HARDENABILITY
001 8763049	PSI *	PSI	IN 2"	% R/A	NR	SIZE	NR
	T 45500.	94000.	58.	NR	83.HRBW	NR	NR
	* Y.S. BY 0.2% OFFSET METHOD						

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Tracy McFarland  
Director, Corporate Quality Assurance



NOTICE OF SHIPMENT/  
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CERTIFICATE OF TEST

AL 6168-3 808

CUST. ORD. NO. & DATE 05349		CUST. CODE 06/05/09 574738		SHEPPER NO. 427038		PRODUCT CODE 13020102060000		MILL ORDER NUMBER 30-059-187		DATE SHIPPED 08/06/09	
FORMS DISTRIBUTION SOLD TO 1 SHIP TO 1 SPEC TO		VANDERGRIFF, PA. REPEAT ORDER 94045-0		DO RATE 28		GOV'T CONTRACT 7219.14.0000		MATERIAL 1121 VANDERGRIFF		SHIPPING LOCATION PA 668450	
MAGNA STAINLESS 5775 KIERAN ST. QUEBEC CANADA H4S 0A3 SAINT-LAURENT		PRIME SEC. DSO DSO 20		COILEX 1450 GRAHAM BELL QUEBEC ZIP CODE: J4B 6H5 BOUCHERVILLE		SHIP TO CN					

GRADE AND SPECIFICATIONS

ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (ASTM-A-240-09A) (ASTM-A-370-09)

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MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF  
B BY OES  
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES  
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Tracy McFarland  
Director, Corporate Quality Assurance

**DART**  
aerospaceDart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053**PURCHASE ORDER**Purchase Order ID **PO10809**

Purchase Order Date 11/20/09

PO Print Date 11/20/09

Page Number 1 of 2

## Order From :

VC-MAG002

MAGNA STAINLESS  
5775 RUE KIERAN  
ST LAURENT, QC H4S 0A3  
CA**FAKED**  
COPY

## Contact Name

## Vendor Phone

## Vendor Fax

## Vendor Account Nbr

800 363 6646

514 339 1105

## Buyer

## Requisition Nbr

## Tax Resale Nbr

## Terms

## Currency

## FOB

Chantal Lavoie

10127-2607

Net 30

CAD

## Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
Vendor Part Number							
1	M304S14GA	304SS sheet .080	11/24/09 Yes	✓ 160.00 sf	Yours ppd	\$7.5000	\$1,200.00
Special Inst: MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH ASPER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240							
2	M304S16GA	304/316 Sheet .063	11/24/09 Yes	✓ 320.00 sf	Yours ppd	\$5.3125	\$1,700.00
Special Inst: AS ABOVE							
3	M304R1.750	304 ROUND BAR 1.750	11/24/09 Yes	12.00	Yours ppd ✓ f REC 12/10 Cory/10/09	\$20.5830	\$247.00
Special Inst: MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 (NOTE: 303 NOT ACCEPTABLE)							

Change Nbr: 1

Change Date: 11/20/09

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

**DART**  
aerospaceDart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053**PURCHASE ORDER**Purchase Order ID **PO10809**

Purchase Order Date 11/20/09

PO Print Date 11/20/09

Page Number 2 of 2

## Order From :

VC-MAG002

MAGNA STAINLESS  
5775 RUE KIERAN  
ST LAURENT, QC H4S 0A3  
CA

## Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

## Buyer

Chantal Lavoie

## Requisition Nbr

Tax Resale Nbr 10127-2607

## Terms

Net 30

## Currency

CAD

## FOB

4

M303R0.750

303 Round Bar 0.750

11/24/09

Yes

12.00 Yours ppd

\$3.8333

\$46.00

APC 12-10 / 08/11/27

Special Inst: MATERIAL: AISI 303 ROUND BAR  
(NOTE: AISI 304/316 NOT ACCEPTABLE)

PO Total:

\$3,193.00

**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY**

UCL

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consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 1

Change Date: 11/20/09